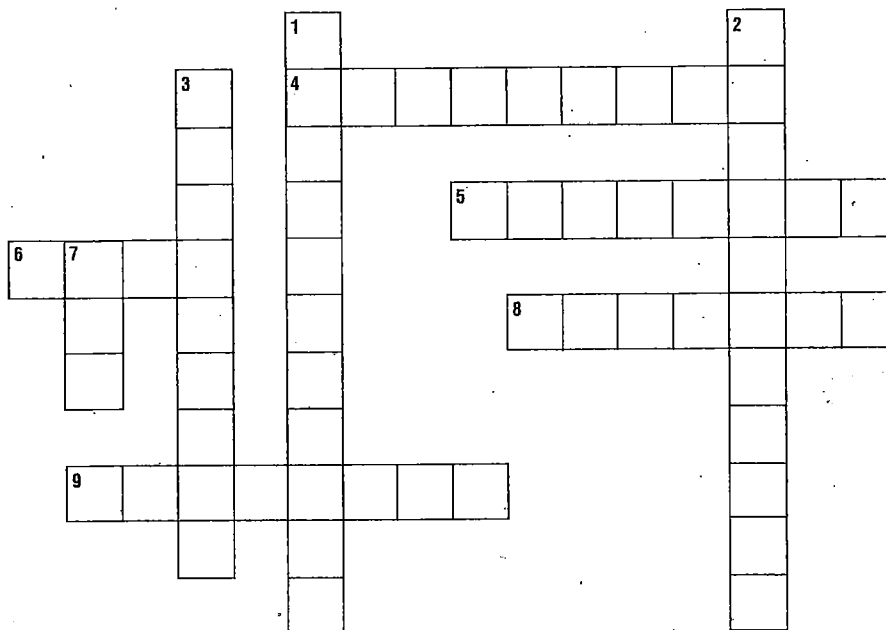




**Directed Reading for  
Content Mastery**

# Key Terms Rocks and Minerals

**Directions:** Use the clues below to complete the crossword puzzle.



## Across

4. Igneous rocks that form when melted rock cools on Earth's surface
5. Solid materials that have a repeating pattern of atoms
6. Usually made of two or more minerals
8. Rocks created when melted rock from inside Earth cools
9. Metamorphic rocks that have parallel bands of minerals

## Down

1. Rocks created when pieces of other rocks, plant and animal matter, or dissolved minerals collect to form layers
2. Rocks that are created when existing rocks are heated or squeezed
3. A diagram that shows how rocks change from one type to another
7. A mineral that contains something that is useful and sold for a profit

**Directed Reading for  
Content Mastery****Overview  
Rocks and Minerals**

**Directions:** For each of the following, write the letter of the term or phrase that best completes the sentence.

- \_\_\_\_\_ 1. \_\_\_\_\_ are ideal for jewelry because they can be cut and polished.  
a. Rocks                      b. Gems                      c. Foliated rocks      d. Minerals
- \_\_\_\_\_ 2. \_\_\_\_\_ rocks form from existing rocks that have been heated and squeezed.  
a. Sedimentary      b. Igneous                      c. Metamorphic      d. Detrital
- \_\_\_\_\_ 3. \_\_\_\_\_ rock is an igneous rock that forms on Earth's surface.  
a. Extrusive              b. Intrusive                      c. Foliated                      d. Nonfoliated
- \_\_\_\_\_ 4. Rocks \_\_\_\_\_ change from one form to another.  
a. sometimes              b. rarely                      c. never                      d. constantly
- \_\_\_\_\_ 5. Minerals like quartz that break into pieces with jagged edges have \_\_\_\_\_.  
a. cleavage                      b. hardness                      c. crystals                      d. fracture
- \_\_\_\_\_ 6. \_\_\_\_\_ must be mined, smelted, and refined before they can be processed into useful everyday materials.  
a. Ores                      b. Gems                      c. Rocks                      d. Sediment
- \_\_\_\_\_ 7. \_\_\_\_\_ rocks can form from the evaporation of a solution.  
a. Detrital                      b. Foliated                      c. Chemical                      d. Extrusive
- \_\_\_\_\_ 8. Intrusive rocks have \_\_\_\_\_ crystals because they cooled \_\_\_\_\_.  
a. large; quickly  
b. large; slowly  
c. small; quickly  
d. small; slowly
- \_\_\_\_\_ 9. So far, around \_\_\_\_\_ minerals have been identified.  
a. 120                      b. 400                      c. 4,000                      d. 100,000
- \_\_\_\_\_ 10. Clues to a mineral's identity are \_\_\_\_\_.  
a. cleavage and fracture  
b. color and hardness  
c. streak and luster  
d. all of the above